DT1 c'd PCT/PTO 0 2 DEC 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV535681775US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: December 2, 2004

You Will

Docket No.: 08228/061001 (PATENT)

•

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Hisao SATO et al.

Application No.: Not Yet Assigned

Filed: Concurrently Herewith

For: GALLIUM NITRIDE

:: GALLIUM NITRIDE COMPOUND SEMICONDUCTOR DEVICE AND

MANUFACTURING METHOD

Confirmation No.: N/A

Art Unit: N/A

Examiner: Not Yet Assigned

## **INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

22511
PATENT TRADEMARK OFFICE

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A copy of each reference on the PTO/SB/08 is attached.

0/516703

'd PCT/PTO 0 2 DFC 2004

Application No.: Not Year Assigned

A concise explanation of relevance of the items listed on form PTO/SB/08 is in the form of an English language copy of a Search Report from a foreign patent office, issued in a

counterpart application, which refers to the relevant portions of the references.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure

Statement shall not be construed to mean that a search has been made or that no other material

information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing

of this Information Disclosure statement shall not be construed to be an admission that any

patent, publication or other information referred to therein is "prior art" for this invention unless

specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37

CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed,

asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in

this application by this firm) to our Deposit Account No. 50-0591, under Order No.

08228/061001. A duplicate copy of this paper is enclosed.

Dated: December 2, 2004

Respectfully submitted,

Jonathan P. Osha

Registration No.: 33,986

OSHA & MAY L.L.P.

1221 McKinney St., Suite 2800

Houston, Texas 77010

(713) 228-8600

(713) 228-8778 (Fax)



PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO			· · · · · · · · · · · · · · · · · · ·	Complete if Known		
001	State for form 14407007	Ū		Application Number	Not Yet Assigned	
11	NFORMATION	1 DI	SCLOSURE	Filing Date	Concurrently Herewith	
S	STATEMENT BY APPLICANT			First Named Inventor	Hisao SATO	
				Art Unit	N/A	
(Use as many sheets as necessary)			s necessary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	08228/061001	

U.S. PATENT DOCUMENTS						
Examiner Initials*			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Date MM-DD-YYYY			T <sup>6</sup>	
	ВА	JP-2001-7447-A	01-12-2001	Nichia Chemical Ind., Ltd.			
	ВВ	JP-2000-299532-A	10-24-2000	Nichia Chemical Ind. Ltd.			
	ВС	JP-11-307866-A	11-05-1999	NEC Corp.			
	BD	JP-11-251684-A	09-17-1999	Nichia Chemical Ind. Ltd.			
	BE	JP-10-12610-A	05-15-1998	8 Richo Co. Ltd.			
	BF	JP-2002-141553-A	05-17-2002	Nichia Chemical Ind. Ltd.			
	BG	JP-2001-102678-A	04-13-2001	Toshiba Corp.			
	вн	JP-2000-216432-A	08-04-2000	Nichia Chemical Ind. Ltd.			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>8</sup> Applicant is to place a check mark here if English language Translation is attached.

	NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>				
	CA	esp@cenet document bibliography and Abstract for Japanese Publication No. 2001-007447, published January 12, 2001.					
	СВ	esp@cenet document bibliography and Abstract for Japanese Publication No. 2000-299532, published October 24, 2000.					
	CC	esp@cenet document bibliography and Abstract for Japanese Publication No. 11-307866, published November 5, 1999.					
	CD	esp@cenet document bibliography and Abstract for Japanese Publication No. 11-251684, published September 17, 1999.					
	CE	esp@cenet document bibliography and Abstract for Japanese Publication No. 10-126010, published May 15, 1998.					
_	CF	esp@cenet document bibliography and Abstract for Japanese Publication No. 2002-141553, published May 17, 2002.					
	CG	esp@cenet document bibliography and Abstract for Japanese Publication No. 2001-102678, published April 13, 2001.					
	СН	esp@cenet document bibliography and Abstract for Japanese Publication No. 2000-216432, published August 4, 2000.					

<sup>\*</sup>EXAMINER: tritial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner		Date	
Signature		Considered	
82580	· · · · · · · · · · · · · · · · · · ·		

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.